

MassGIS Datalayer Descriptions and Guide to User Services

TABLE OF CONTENTS

HOW TO USE THIS GUIDE	1
MASSGIS ON THE WEB	1

PART 1

MASSGIS PRODUCTS AND SERVICES

WHAT IS GIS?	2
WHAT IS MASSGIS?	2
CONTACTS/WHERE TO TURN FOR MORE INFORMATION	3
DATA AND MAP ORDERING SERVICES	5
MAP PRODUCTION AND PRINTING	5
MAP THEMES AVAILABLE FOR PRINTING	7
DIGITAL DATA PRODUCTS	9
ORDER FORM FOR MAPS	12
ORDER FORM FOR DIGITAL DATA	13
MASSGIS DATA DISTRIBUTION POLICY	14
PURCHASE AGREEMENT	17
MASSGIS DATA VIEWER	18
OTHER SERVICES OFFERED BY MASSGIS	19

DATALAYER DESCRIPTIONS

OVERVIEW	20
CURRENT DATA INITIATIVES	21
BASIC LIBRARIAN CONCEPTS	23
STANDARD FOR DOCUMENTATION OF GIS COVERAGES TABLES DATALAYERS	27

IMAGE DATA

1:5000 SCALE BLACK AND WHITE DIGITAL ORTHOPHOTO IMAGES	34
USGS 1:12,000 BLACK AND WHITE DIGITAL ORTHOPHOTO IMAGES	36
COASTAL COLOR ORTHOPHOTOGRAPHS	37
USGS TOPOGRAPHIC QUADRANGLE IMAGES	38
NOAA NAUTICAL CHART IMAGES	39
FORESTED LANDCOVER IMAGES	42

VECTOR DATA

POLITICAL BOUNDARIES/INDEXES	
COMMUNITY BOUNDARIES	43
COMMUNITY BOUNDARIES WITHOUT COAST	45
COUNTY BOUNDARIES	46
STATE OUTLINES	47
QUADRANGLE TEMPLATE	48
DIGITAL QUADRANGLE TEMPLATE	49
MA STATE PLANE GRID AND POINTS	50
UTM GRID AND POINTS	51
LATITUDE-LONGITUDE GRIDS	52
MASSACHUSETTS HOUSE LEGISLATIVE DISTRICTS	53
MASSACHUSETTS SENATE LEGISLATIVE DISTRICTS	54
DIGITAL ORTHOPHOTO INDEX	55
COLOR COASTAL ORTHOPHOTOS INDEX	56
COASTAL ZONE TILING INDEX	57
MASSACHUSETTS DEP REGIONS	58
MASSACHUSETTS DEM REGIONS	59
REGIONAL PLANNING AGENCIES	60

INFRASTRUCTURE

MASSACHUSETTS HIGHWAY DEPARTMENT ROADS	61
MHD MAJOR ROADS; ROUTEMARKER LOCATIONS; AND HIGHWAY EXITS	66
TRAINS	68
MBTA RAPID TRANSIT	72

PART 2

TRANSMISSION LINES	73
LONG DISTANCE TRAILS	74
RAIL TRAILS DATALAYER	75

TOPOGRAPHY

PART 3

CONTOURS	76
CONTOURS (1:250,000)	77
DIGITAL ORTHOPHOTO POINTS	78
DIGITAL ORTHOPHOTO BREAKLINES	79

PHYSICAL RESOURCES

LAND USE	80
SURFICIAL GEOLOGY	84
SOILS	85
MRIP CONTIGUOUS NATURAL LANDS	89
MRIP RIPARIAN CORRIDORS	90
MRIP NATURAL LAND RIPARIAN CORRIDORS	91
US EPA ECOREGIONS	93

HYDROGRAPHIC (WATER-RELATED) FEATURES

HYDROGRAPHY (1:25,000)	95
HYDROGRAPHY (1:100,000)	98
MAJOR PONDS AND STREAMS	100
ORTHOPHOTO WETLANDS AND STREAMS (1:5,000)	101
NATIONAL WETLANDS INVENTORY	103
PUBLIC WATER SUPPLIE	105
AQUIFERS	109
EPA DESIGNATED SOLE SOURCE AQUIFERS	111
MAJOR DRAINAGE BASINS	112
DRAINAGE SUB-BASINS	113
MAJOR WATERSHEDS	115
WATERSHED ANALYST DATA	116
ABANDONED CRANBERRY BOGS	119
DEP EELGRASS DATALAYER	120

CONSERVATION/RECREATION

PART 4

AREAS OF CRITICAL ENVIRONMENTAL CONCERN	123
PROTECTED AND RECREATIONAL OPEN SPACE	124
PUBLIC ACCESS BOARD SITES	130
CANOE TRIPS AND ACCESS POINTS	131
SCENIC LANDSCAPES	133
STATE REGISTER OF HISTORIC PLACES	134
LANDMARKS	136
NHESP PRIORITY HABITATS	137
NHESP ESTIMATED HABITATS OF RARE WILDLIFE	138
NHESP CERTIFIED VERNAL POOLS	139
NHESP POTENTIAL VERNAL POOLS	140

REGULATED AREAS

DEP SOLID WASTE FACILITIES	141
UNDERGROUND STORAGE TANK LOCATIONS	143
DEP WELLHEAD PROTECTION AREAS (ZONE II, IWPA, IWPACOM)	145
SURFACE WATER PROTECTION AREAS (ZONE A,B,C)	148
TITLE 5	150
DEP TIER CLASSIFIED CHAPTER 21E SITES	151
DEP MAJOR FACILITIES	158
MUNICIPAL ZONING	163
OUTSTANDING RESOURCE WATERS	166
GROUND WATER DISCHARGE POINTS	167
FEMA Q3 FLOOD	168
FLOOD INSURANCE RATE MAP ZONES V AND AO	169

ENVIRONMENTAL MONITORING

INSECT INFESTATION (BUGS)	170
DEP DWM MONITORING STATIONS	172
USGS DATA-COLLECTION STATIONS	174
STREAM-GAGING STATIONS	175
WATER QUALITY MONITORING STATIONS	176
SHELLFISH SAMPLING STATIONS	177

COASTAL AND MARINE FEATURES

COASTLINE (1:25,000)	178
COASTLINE (1:5,000)	179
FISH TRAPS (WEIRS)	180
ANADROMOUS FISH	181
DESIGNATED SHELLFISH GROWING AREAS	184
MA DMF LOBSTER HARVEST ZONES	186
TIDAL RESTRICTIONS	187
BATHYMETRY FOR THE GULF OF MAINE	188
OFFSHORE BATHYMETRY (1:250,000)	190
THE MASSACHUSETTS COASTAL ZONE	191
COASTAL BARRIER RESOURCE UNITS	192
STATE DESIGNATED BARRIER BEACHES	193
STELLWAGEN BANK NATIONAL MARINE SANCTUARY	194
FEDERAL & STATE MARINE SANCTUARIES	195
SALT MARSH RESTORATION SITES	196
NAUTICAL (LINEWORK FROM NOAA CHARTS)	197

DEMOGRAPHICS

DATALAYERS FROM THE 1990 US CENSUS OF POPULATION AND HOUSING	198
CENSUS BLOCK (TIGER)	200
CENSUS BLOCK GROUP	204

MISCELLANEOUS

CAPE COD COMMISSION DATALAYERS	207
DIGITAL ORTHOPHOTO ANNOTATION	213
GEOGRAPHIC PLACE NAMES	215
ADJACENT STATES' TOWN BOUNDARIES	216
NEW ENGLAND BOUNDARIES	217
ATLANTIC CANADIAN PROVINCES	218

REFERENCE LISTS

TOWN NUMBERS AND CORRESPONDING NAMES	219
1:25,000 TOPOGRAPHIC QUADRANGLE NUMBERS AND CORRESPONDING NAMES	220
1:25,000 DIGITAL QUADRANGLE NUMBERS AND CORRESPONDING NAMES	221

INDEX MAPS

USGS TOPOGRAPHIC QUADRANGLES	222
DIGITAL QUADRANGLES	223
TOWNS	224
BASIN INDEX AND MAJOR BASINS	225
WATERSHEDS	226
ORTHOPHOTO QUADS (OQ)	227
SHORELINE CHANGE MAPS	228
1-METER MRSID ORTHOPHOTO MOSAIC TILING SCHEME	229